

Supplementary

# Primary Diffuse Large B-Cell Lymphoma of the Urinary Bladder: Update on a Rare Disease and Potential Diagnostic Pitfalls

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**Table 1.** Aggressive lymphomas of B-cell origin primarily affecting the UB.

	IS	Localization	UB	Histology	EBER; HHV8	Genetic profile	Prognosis
DLBCL,NOS	Rarely present	Nodal and ex-tranodal	60.3% of primary UB lymphoma	Sheets of CBs or IBs	EBER -; HHV8 -	Monoclonal (IG gene rearrangement)	Potentially curable
EBV+ DLBCL, NOS	Rarely present	Nodal (often in young) and extranodal sites (old patients)	Rare	2 patterns of growth: Polymorphic or monomorphic	EBER +; HHV8 -	Monoclonal (IG gene rearrangement)	Poor
PBL	Mostly present (often HIV+)	Extranodal sites mainly; nodal sites rarely	Rare	PBs, IBs (diffuse pattern of growth)	EBER + in HIV+ pts and PT pts; HHV8 -	Monoclonal (IG gene rearrangement); MYC translocation (half of cases)	Poor
PEL	Mostly present (often HIV+)	Classic PEL: serous cavities. EC-PEL: nodal sites mostly; extranodal sites rarely	Rare (EC-PEL)	PBs, IBs (diffuse pattern of growth in EC-PEL; in fluids in classic PEL)	EBER + (- in elderly HIV-negative pts); HHV8 +	Monoclonal (IG genes hypermutated)	Poor
BL	Present in the immunodef.	Extranodal sites mainly; nodal sites in the Immunodef.	Rare	Medium-sized cells (diffuse monotonous pattern of growth)	EBER+ in >95% end.; 20–30% spor.; 25–40% immunodef. HHV8-	Monoclonal (IG gene rearrangement); MYC translocation (the majority of cases);	Highly aggressive, but potentially curable

**Legend:** BL: Burkitt lymphoma; CBs: centroblasts; DLBCL: diffuse large B-cell lymphoma; EBER: in situ hybridization for EBV-encoded RNA; EBV: Epstein-Barr virus; EBV+ DLBCL, NOS: EBV-positive, diffuse large B-cell lymphoma, not otherwise specified; EC-PEL: extra-cavitary primary effusion lymphoma; end: endemic variant; HHV8: Human herpes virus 8; HHV8+ HIV: human immunodeficiency virus; IBs: immunoblasts; Immunodef: immunodeficiency-associated variant; IG immunoglobulin; IS: immunosuppression; PBL: plasmablastic lymphoma; PBs: plasmablasts; PEL: primary effusion lymphoma; spor: sporadic variant; UB: urinary bladder.